

User Guide

INSIGNIA™

7" Portable Digital TV

NS-L7HTV-10A



Contents

Important safety instructions	1
Warnings	1
Cautions	2
Introduction	3
Package contents	3
What you need to know before you start	3
About reception	3
About available TV channels and radio stations	3
About conserving battery power	3
Basic steps	3
TV components	4
Front	4
Sides	4
Back	5
Remote control	5
Replacing the remote control battery	6
Making connections	6
Connecting the car adapter	6
Charging the built-in, rechargeable battery	6
Connecting an antenna, cable TV, or satellite TV	7
Connecting a standard video device	7
Understanding the basics	8
Turning your TV on or off	8
Selecting the input mode	8
Automatically scanning for TV channels	8
Automatically scanning for radio stations	9
Adjusting a radio station's frequency	9
Selecting a TV channel	9
Selecting a radio station	10
Adjusting the volume	10
Displaying additional information	10
Using the electronic program guide	10
Adjusting the picture	10
Adjusting the sound	11
Changing channel settings	11
Selecting the TV signal source	11
Automatically scanning for TV channels using the antenna	12
Automatically scanning for channels using cable TV	13
Hiding TV channels	13
Setting up the favorite channel list	14
Adding a channel label	15
Using closed captioning	16

Adjusting time settings	16
Adjusting menu settings	17
Adjusting radio options	18
Automatically scanning for radio stations	18
Changing radio settings	18
Troubleshooting	19
Specifications	19
Legal notices	19
Two-year limited warranty	21

Important safety instructions

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



This symbol indicates that dangerous voltage constituting a risk of electric shock is present within your TV. This label is located on the back of your TV.



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying your TV.

- 1 Read these instructions.
- 2 Keep these instructions.
- 3 Heed all warnings.
- 4 Follow all instructions.
- 5 Do not use this apparatus near water.
- 6 Clean only with dry cloth.
- 7 Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8 Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 10 Only use attachments/accessories specified by the manufacturer.
- 11 Unplug this apparatus during lightning storms or when unused for long periods of time.
- 12 Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 13 Remote control batteries should not be exposed to excessive heat such as sunshine, fire, or the like.
- 14 This TV operates on an AC power adapter, car adapter, or built-in rechargeable battery.
- 15 Make sure that the input voltage of the AC adapter is compatible with the local voltage. Otherwise, the AC adapter and the TV may be damaged.

Warning

To avoid electric shock, do not touch the AC adapter with wet hands.

- When connecting with an automobile (cigarette lighter) adapter, make sure that the input voltage of the adapter is identical with the car voltage.
- Unplug the AC adapter from the outlet when the TV will not be used for an extended period of time.
- Hold the plug while unplugging the AC adapter. Do not pull on the power cord.
- Using headphones:
 - To avoid hearing damage caused by a sudden increase in volume, keep the volume at the lowest level before playback, then adjust it to a comfortable level.
 - Keep the volume at a moderate level to protect your ears.
 - To avoid traffic accidents, never wear headphones when driving a car or riding a motorcycle or bicycle.

- 16 The apparatus shall not be exposed to dripping or splashing, and no objects filled with liquids, such as vases, shall be placed on the apparatus.

Warnings

Electric shock hazard

To reduce the risk of fire or electric shock, do not remove any cover or expose the device to rain or moisture. No user-serviceable parts are inside. Refer servicing to qualified service technicians.

Lightning

For added protection for your device receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the power outlet and disconnect any antenna or cable system. This helps prevent property damage and personal injury from lightning and power line surges.

Power lines

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

Handling the LCD panel

- Your TV's screen is made of glass. Do not drop your TV or hit, jolt, or press hard against the LCD panel. If the screen breaks, be careful of broken glass.
- If the LCD panel is broken, make absolutely sure that you do not touch the liquid in the panel. This may cause skin inflammation.
- If the liquid gets in your mouth, immediately gargle, rinse, and consult with your doctor. Also, if the liquid gets in your eyes or touches your skin, consult with your doctor after rinsing for at least 15 minutes or longer in clean water.

Replacement parts

When replacement parts are required, make sure that the service technician uses replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, personal injury, or other hazards.

Safety check

After completing any service or repair to this device, ask the service technician to perform routine safety checks to determine that your TV is in correct operating condition.

Power source

Operate your TV only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home, consult an electrician or your local power company.

Cautions

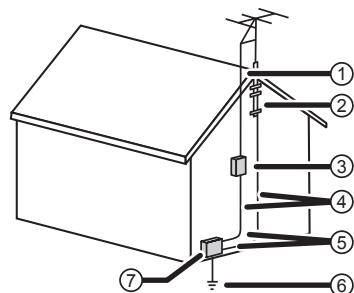
Damage requiring service

Unplug this TV from the power outlet and refer servicing to qualified service personnel under the following conditions:

- When the power supply cord or plug is damaged or frayed.
- If liquid has been spilled or objects have fallen into your TV.
- If your TV has been exposed to rain or water.
- If your TV does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions because incorrect adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore your TV to its normal operation.
- If your TV has been dropped or damaged in any way.
- When your TV exhibits a distinct change in performance.

Outdoor antenna grounding

If an outside antenna or cable system is connected to your TV, make sure that the antenna or cable system is grounded to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA No. 70, provides information with respect to correct grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of the antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.



- ① Antenna lead-in wire
- ② Grounding clamp
- ③ Antenna discharge unit
- ④ Grounding conductors
- ⑤ Ground clamps
- ⑥ Power service grounding electrode system
- ⑦ Electric service equipment

Note to CATV system installer

Article 820 of the National Electrical Code, ANSI/NFPA No. 40 provides guidance for correct grounding. Specifically, it states that the cable ground must be connected to the grounding system of the building as close to the point of cable entry as practical.

Condensation

Moisture will form on the TV if the TV is brought from cool surroundings into a warm room or if the temperature of the room rises suddenly. When this happens, the TV's performance may be impaired. To prevent this, let the TV stand in its new surroundings for about an hour before switching it on, or make sure that the room temperature rises gradually.

Condensation may also form during the summer if the TV is exposed to the breeze from an air conditioner. In such cases, change the location of the TV.

Mobile telephone warning

To avoid interference with your TV picture and sound, operating problems, or even damage, keep your cordless and cellular telephones away from the TV.

End of life directives

Your TV contains tin-lead solder and a fluorescent lamp containing a small amount of mercury. Disposal of these materials may be regulated for environmental reasons. Your TV also contains material that can be recycled and reused. For disposal or recycling information, contact your local authorities or the Electronic Industries Alliance at www.eia.org to find a recycler in your area.

Non-active pixels

The LCD panel contains almost 3 million thin film transistors, which provide exceptionally sharp video quality. Occasionally, a few non-active pixels may appear on the screen as a fixed blue, green, or red point. These non-active pixels do not adversely affect the performance of your TV, and are not considered defects.

Introduction

Congratulations on your purchase of a high-quality Insignia product. Your NS-L7HTV-10A represents the state of the art in LCD TV design and is designed for reliable and trouble-free performance.

Package contents

- 7" portable digital TV
- Remote control with battery installed
- AC adapter
- AV cable
- Car adapter
- *User Guide*
- *Quick Setup Guide*

What you need to know before you start

About reception

Your TV is designed to be portable. Because you will probably be moving your TV from place to place, you need to consider the following:

- Clear TV and radio reception depends on your location.
- Make sure that you extend the rod antenna that comes pre-installed on your TV. Rotate the antenna to adjust the reception.
- If the rod antenna does not provide good reception, you may need to connect an HDTV antenna (such as "rabbit ears") or cable or satellite TV.
- If you scan for TV channels or radio stations when your TV is experiencing poor reception, you may not be able to tune to all the available channels or stations.

About available TV channels and radio stations

- When you use your TV for the first time, you need to scan for TV channels and radio stations in your area.
- Your TV remembers the channel and station information from the last scan and tries to tune to the stored channels and stations. When you move your TV to a different area, make sure that you scan for TV channels and radio stations before you try to tune to channels or stations.
- Make sure that your TV has good reception before you scan for channels or stations. Poor reception during a scan prevents your TV from finding all the available TV channels and radio stations.

- If you know a local channel is available but you cannot tune to the channel, try scanning for channels again.
- If you see a blue screen, your TV is not receiving a signal. Make sure that the antenna or cable TV cable is connected securely and that your TV is in a good area for reception.

About conserving battery power

Your TV has a built-in, rechargeable battery that can supply several hours of power. However, to get the most out of your battery:

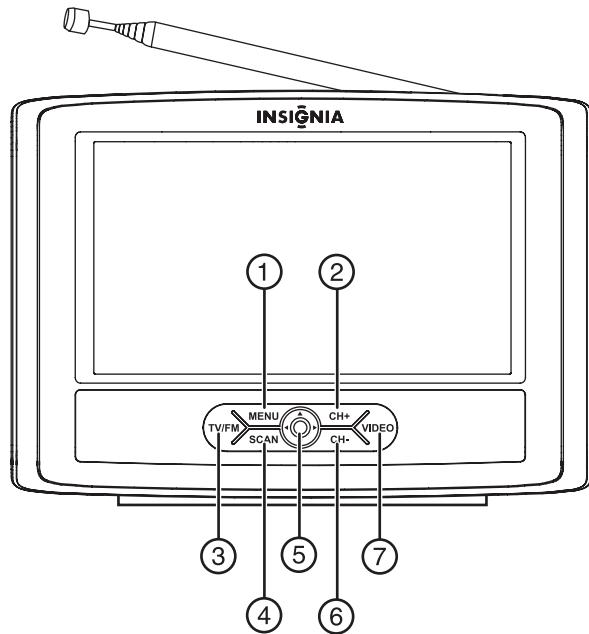
- Fully charge the battery before you use your TV for the first time. If you do not fully charge the battery, the amount of time the charge lasts is reduced.
- When you charge the battery, always disconnect the AC adapter when the charging is complete. If you leave the AC adapter connected, you will shorten the battery life.
- When you are not using your TV, turn it off.

Basic steps

- 1 Turn on your TV. If you are using the battery power, fully charge the battery before you use your TV for the first time. See "Turning your TV on or off" on page 8 and "Charging the built-in, rechargeable battery" on page 6.
- 2 Extend the attached rod antenna to get the best reception possible. If you are in a poor reception area, you may need to unscrew the rod antenna and connect an HDTV antenna to jack where the rod antenna was connected. See "Connecting an antenna, cable TV, or satellite TV" on page 7.
- 3 Make sure that TV is selected as the input source. See "Selecting the input mode" on page 8.
- 4 Press **SCAN** on the front of your TV to scan for channels. See "Automatically scanning for TV channels" on page 8. If you move your TV to a different viewing area, you need to rescan for channels. See "Automatically scanning for TV channels using the antenna" on page 12 or "Automatically scanning for channels using cable TV" on page 13.
- 5 Tune to a channel to watch TV.

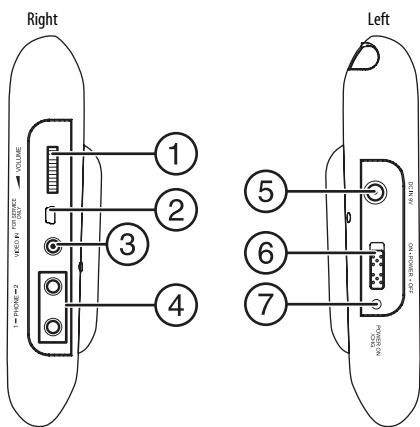
TV components

Front



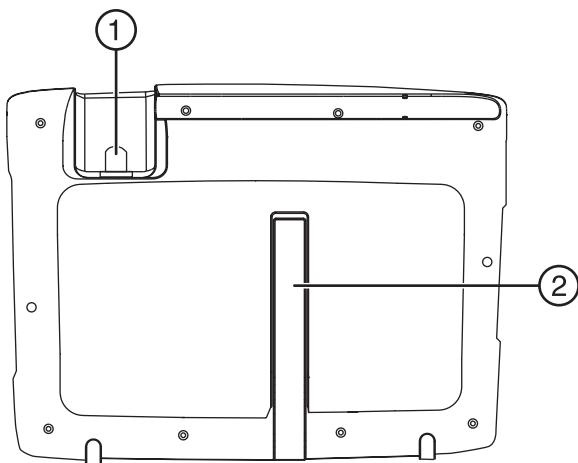
#	Button	Description
①	 MENU	Press to open the on-screen menu.
②	 CH+	Press to go to the next channel in the channel list. For more information, see "Selecting a TV channel" on page 9.
③	 TV/FM	Press to switch between TV and radio.
④	 SCAN	Press to open the auto scan screen.
⑤	 ▲ ▶ ▼ ▷ and OK	Press ◀ ▶ ▲ ▼ or ▼ to select an option and to adjust settings in the on-screen menu. Press OK to confirm selections in on-screen menus.
⑥	 CH-	Press to go to the previous channel in the channel list. For more information, see "Selecting a TV channel" on page 9.
⑦	 VIDEO	Press to switch to the video source.

Sides



#	Item	Description
①	 VOLUME control	Rotate to adjust the volume.
②	 FOR SERVICE ONLY	Do not use.
③	 VIDEO IN jack	Connect a standard video device to this jack.
④	 PHONE 1 and 2 jacks	Connect headphones to these jacks.
⑤	 DC IN 9V	Connect the AC adapter to this jack.
⑥	 POWER switch	Slide to turn your TV on or off.
⑦	 POWER ON/CHG indicator	Lights blue when your TV is turned on. Lights red when the built-in battery is charging.

Back



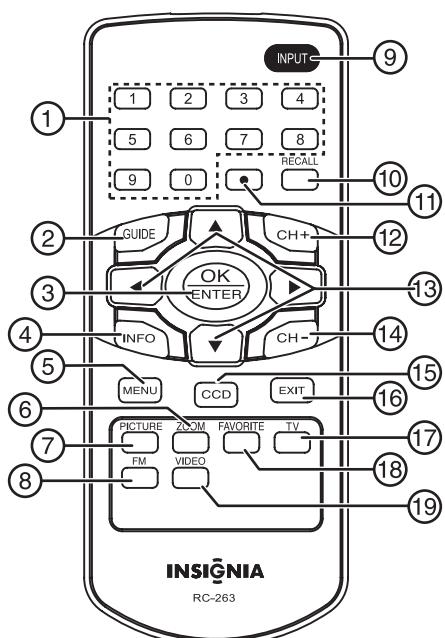
#	Item	Description
①	Antenna jack	In TV mode, connect an antenna (either the included, portable antenna or an external, fixed antenna) or the cable from your cable or satellite TV to this jack. In radio mode, connect an antenna to scan radio stations.
②	Stand	Open to support your TV in an upright position.

Note

The supplied rod antenna comes already attached to your TV. If you want to connect an external antenna, you can detach the rod antenna and connect the external antenna to the Antenna jack.
Your TV will perform best with an HDTV antenna, which can be purchased separately.

Remote control

The remote control battery comes pre-installed. The first time you use the remote control, remove the plastic sheet from the bottom of the battery to activate the remote.



#	Button	Description
①	Numbers	Press to enter channel numbers.
②	GUIDE	Press to the DTV electronic program guide. For more information, see "Using the electronic program guide" on page 10.
③	OK/ENTER	Press to access a menu or confirm selections in the on-screen menu.
④	INFO	Press to display information about the video input source.
⑤	MENU	Press to open the on-screen menu.
⑥	ZOOM	Press to select the aspect ratio. You can select Wide , Zoom , Cinema , or Normal .
⑦	PICTURE	Press to select the picture mode. You can select Vivid , Theater , Personal , or Standard .
⑧	FM	Press to switch to radio mode.
⑨	INPUT	Press to select the video input mode. For more information, see "Selecting the input mode" on page 8.
⑩	RECALL	Press to go to the last viewed channel.
⑪	●	Press to select digital sub-channels. For more information, see "Selecting a TV channel" on page 9.
⑫	CH+	Press to go to the next channel in the channel list. For more information, see "Selecting a TV channel" on page 9.
⑬	◀ ▶ ▲ ▼	Press to select an option and to adjust settings in the on-screen menu.
⑭	CH-	Press to go to the previous channel in the channel list. For more information, see "Selecting a TV channel" on page 9.
⑮	CCD	Press to turn closed captioning on or off. For more information, see "Using closed captioning" on page 16.
⑯	EXIT	Press to close the on-screen menu.
⑰	TV	Press to switch to TV mode.
⑱	FAVORITE	Press to open the favorite channel list. For more information, see "Setting up the favorite channel list" on page 14.
⑲	VIDEO	Press to switch to video mode.

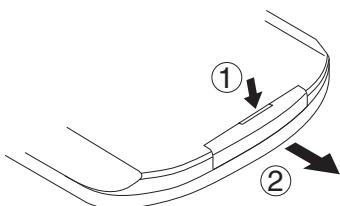
Replacing the remote control battery

Note

The first time you use the remote control, remove the plastic sheet from the bottom of the battery to activate the remote.

To replace the remote control battery:

- 1 Gently insert a fingernail in the groove marked 1, then gently pull the battery holder in the direction marked 2.



- 2 Remove the old battery.
- 3 Place the new battery in the holder with the + facing up. Keep the holder horizontal so the battery does not fall out.



- 4 Slide the battery holder into the battery compartment. Make sure that the holder is inserted securely.

Cautions

- Batteries contain chemical substances, so they should be disposed of correctly. Follow the hazardous waste guidelines in your area.
- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- Incorrect use of batteries can cause electrolyte leakage and will corrode the compartment or cause the batteries to burst.

Making connections

Connecting the AC adapter:

- 1 Plug the AC adapter into the **DC IN 9V** jack on the left side of your TV.



- 2 Plug the other end of the AC adapter into a power outlet.

Caution

Always turn off your TV before you unplug the AC adapter, or you may damage your TV.

Connecting the car adapter

To connect the car adapter:

- 1 Plug the car adapter into the **DC IN 9V** jack on the left side of your TV.
- 2 Plug the other end of the car adapter into the cigarette lighter socket in your car.

Cautions

- Always turn off your TV before you unplug the car adapter, or you may damage your TV.
- To avoid traffic accidents, never wear headphones when driving a car or riding a bicycle.
- Do not touch the adapter with wet hands. Do not get liquid on the adapter.
- Never operate your TV or view programs while operating an automobile or other vehicle. Doing so is illegal in many jurisdictions.

Charging the built-in, rechargeable battery

The built-in battery needs to be fully charged before you use it for the first time. The built-in battery can power the TV for operation outdoors or in a place with no outlets.

To charge the built-in, rechargeable battery:

- 1 Make sure that your TV is turned off. The battery will not charge if your TV is on.
- 2 Connect the AC adapter or car adapter to the **DC IN 9V** jack on the side of your TV and to a power outlet or car cigarette lighter socket. Battery charging begins automatically and the **POWER ON/CHG** indicator lights red. When charging is complete the indicator turns off.

3 When charging is complete, disconnect the AC adapter.

Caution

Do not disconnect the AC adapter or car adapter until the **POWER ON/CHR** indicator turns off.

Notes

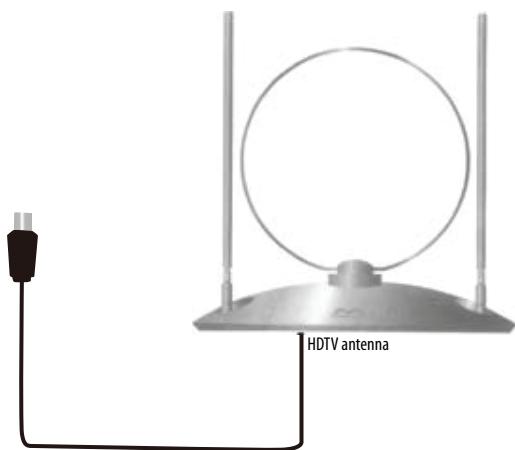
- The battery indicator (□) appears on the screen when the power is running low.
- Charge the built-in, rechargeable battery with a surrounding temperature of 41°F and 95°F (5 and 35°C).
- The built-in battery may get warm when you are charging it or operating your TV. This is not defect.
- Batteries contain chemical substances, so they should be disposed of correctly. Follow the hazardous waste guidelines in your area.

Connecting an antenna, cable TV, or satellite TV**Note**

If you are in an area with weak TV signals, you may need an HDTV antenna to improve reception. Unscrew the rod antenna, then connect an **HDTV** antenna to this jack.

To connect an antenna, cable TV, or satellite TV:

- 1 Make sure that your TV is turned off and the AC adapter is unplugged.
- 2 Connect a coaxial cable between the **Antenna** jack on the back of your TV and an antenna, cable TV, or satellite TV jack.



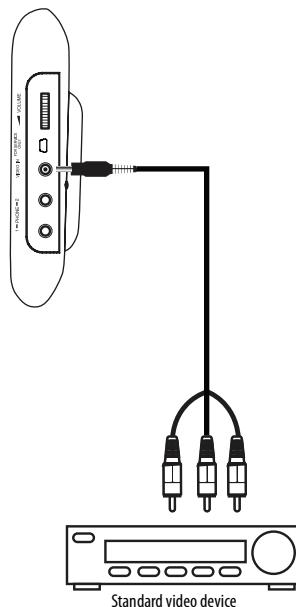
- 3 Turn on your TV, then press **INPUT** on the remote control to open the *Input Source* list.
- 4 Press **INPUT** repeatedly or press **▲** or **▼** to select **TV**, then press **OK/ENTER**.

Note

You can also press **TV** to view TV.

Connecting a standard video device**To connect a standard video device:**

- 1 Make sure that your TV is turned off and the AC adapter is unplugged.
- 2 Connect an AV cable between the **VIDEO IN** jack on the right side of your TV and the **AV OUT** jacks on the video device.



- 3 Turn on your TV, then press **INPUT** on the remote control to open the *Input Source* list.

- 4 Press **INPUT** repeatedly or press **▲** or **▼** to select **VIDEO**, then press **OK/ENTER**.

Note

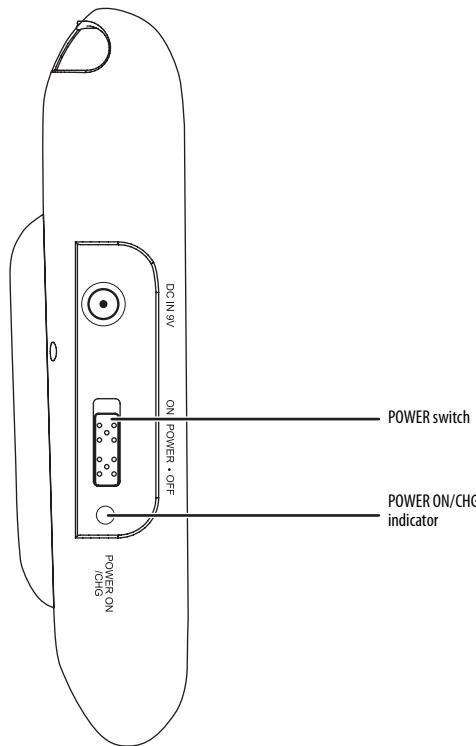
You can also press **VIDEO** to select the video device.

Understanding the basics

Turning your TV on or off

To turn your TV on or off:

- Slide the **POWER** switch.



Status	POWER switch position	POWER ON/CHG indicator
On	ON • POWER • OFF	Blue
Off	ON • POWER • OFF	Off
Charging	ON • POWER • OFF	Red

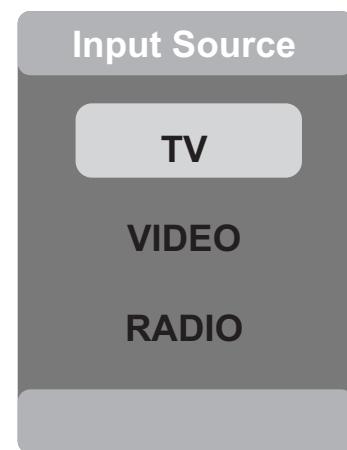
Note

Because your TV can be powered by the built-in, rechargeable battery, there is no standby mode. Your TV is either on or off.

Selecting the input mode

To select the input mode:

- 1 Press **INPUT** to open the *Input Source* list, then press **INPUT** repeatedly or press **▲** or **▼** to select an input source.



- 2 Press **OK/ENTER**.

Note

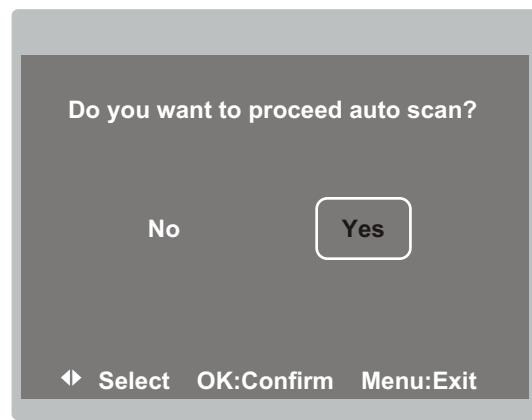
- You can press **TV** to watch TV.
- You can press **VIDEO** to select a connected video device.
- You can press **FM** to listen to the radio.

Automatically scanning for TV channels

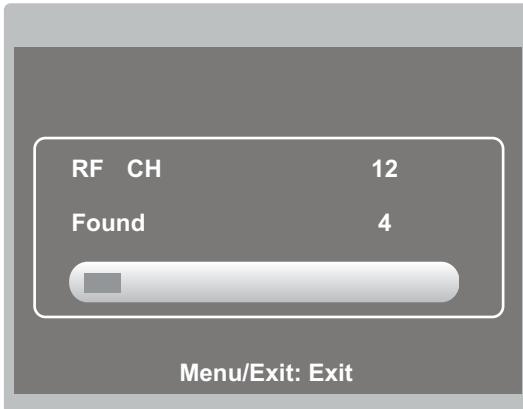
You should scan for TV channels in your area. Your TV stores the information in the channel list.

To automatically scan for TV channels:

- 1 Make sure that you have a TV antenna, cable TV, or satellite TV connected to your TV.
- 2 Press **SCAN** on the front of your TV. The following screen opens.



3 Press **◀** or **▶** to select **Yes**, then press **OK/ENTER** to start the scan. If you do not want to scan for channels, select **No**. A status screen appears during the scan.



Your TV scans for channels in your area and stores the information in the channel list. When the scan is complete, your TV tunes to the first channel in the channel list.

Note

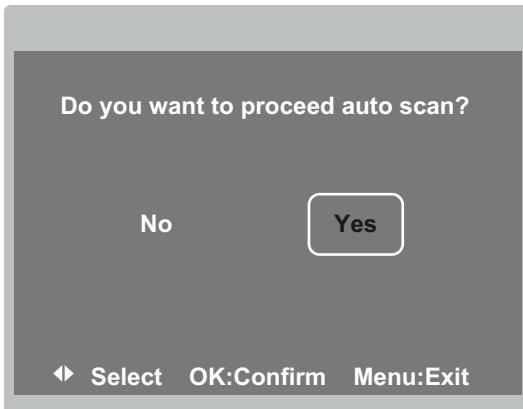
You can press **MENU** or **EXIT** to exit the scan, but you must run the scan again to create a complete radio station list.

You can also scan for TV channels using the on-screen channel menu. For more information, see "Automatically scanning for TV channels using the antenna" on page 12 or "Automatically scanning for channels using cable TV" on page 13.

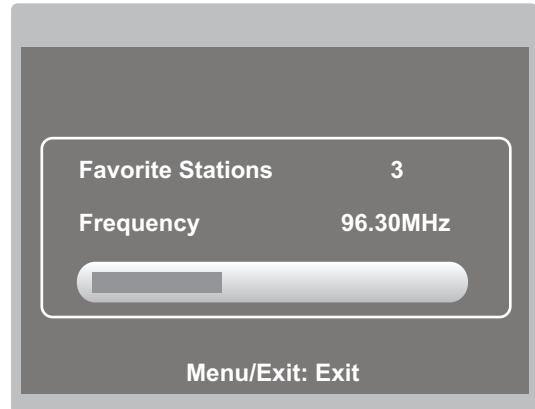
Automatically scanning for radio stations

To automatically scan for radio stations:

- 1 Make sure that you have the rod antenna connected to your TV.
- 2 Press **SCAN** on the front of your TV. The following screen opens.



3 Press **◀** or **▶** to select **Yes**, then press **OK/ENTER** to start the scan. If you do not want to scan for radio stations, select **No**. A status screen appears during the scan.



Your TV scans for radio stations in your area and store the information in the radio station list. When the scan is complete, your TV tunes to the first station in the radio station list.

Note

You can press **MENU** or **EXIT** to exit the scan, but you must run the scan again to create a complete radio station list.

You can also scan for TV channels using the on-screen channel menu. For more information, see "Automatically scanning for TV channels using the antenna" on page 12 or "Automatically scanning for channels using cable TV" on page 13.

You can save up to 50 of your favorite radio stations.

Adjusting a radio station's frequency

To adjust a radio station's frequency:

- 1 Make sure that you have scanned for radio stations.
- 2 Tune to a radio station, then press **◀** or **▶** to adjust the station frequency. Each time you press **◀** or **▶**, the frequency moves 0.1 MHz. Your TV automatically saves the latest selected frequency.

Selecting a TV channel

To select a TV channel:

- To go to the next or previous channel in the channel list, press **CH+** and **CH-**. Pressing one of these buttons skips any channels that are not in the channel list. The channel list was created when you scanned for channels.
- To select an analog or main digital channel, press the number buttons for the channel.
- To select a digital sub-channel, press the number buttons for the main digital channel, press **●**, then press the number for the digital sub-channel.
- To tune to the last viewed channel, press **RECALL**.

Selecting a radio station

To select a radio station:

- Press **CH+** and **CH-**. Pressing one of these buttons skips any radio stations that are not in the radio channel list. The radio station list was created when you scanned for radio stations.

Adjusting the volume

To adjust the volume:

- Rotate the **VOLUME** control on the right side of your TV.

Displaying additional information

You can view current status information about TV channels.

Note

The following task shows an example of information about a digital TV channel.

To display additional information:

- In digital TV mode, tune to a channel you want to watch.
- Press **INFO**. Program information appears (if available).



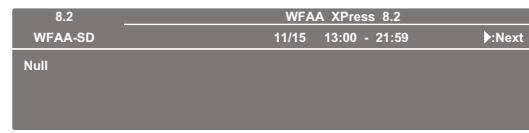
- Press **INFO** again to close the display.

Using the electronic program guide

Your TV has an electronic program guide (EPG) that supplies information such as program lists and programs times. In addition, detailed information about the program is often available in the EPG. (The availability and the amount of program details will vary depending on the broadcaster.)

To use the EPG:

- In digital TV mode, tune to a channel you want to watch.
- Press **GUIDE**. The EPG opens.



- Press **◀** or **▶** to view information about future programs on the selected channel.
- Press **▲** or **▼** to select the previous or next channel.
- Press **GUIDE** to close the EPG.

Adjusting the picture

To adjust the picture:

- Press **MENU**, then press **◀** or **▶** to highlight (picture icon). The picture menu opens.

TV mode



Video mode



- Press **OK/ENTER** or **▼** to access the menu.
- Press **▲** or **▼** to highlight a setting, then press **◀** or **▶** to adjust the setting. You can adjust:
 - Picture Mode**—Selects the picture mode. You can select **Vivid**, **Theater**, **Personal** or **Standard**.
 - Contrast**—Adjusts the contrast.
 - Brightness**—Adjusts the brightness.
 - Sharpness**—Adjusts the sharpness.
 - Tint**—Adjusts the tint.
 - Color**—Adjusts the color.
- Press **MENU** one or more times to return to the previous menu or press **EXIT** to close the menu.

Note

If you adjust **Contrast**, **Brightness**, **Sharpness**, **Tint**, or **Color**, your TV automatically changes the **Picture Mode** to **Personal**.

Adjusting the sound

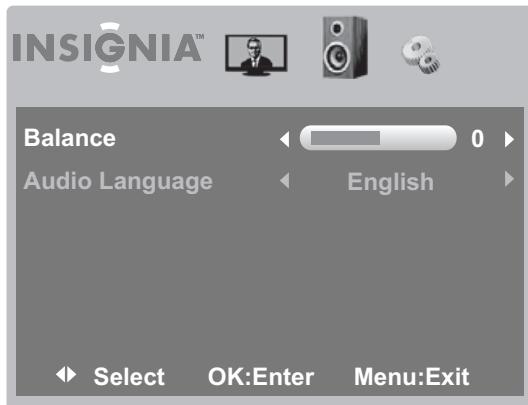
To adjust the sound:

1 Press **MENU**, then press **◀** or **▶** to highlight  (sound icon). The sound menu opens.

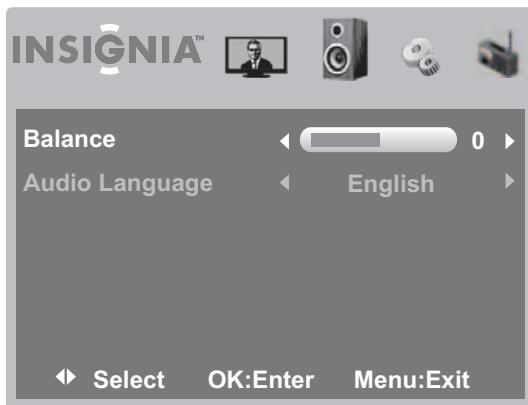
TV mode



Video mode



Radio mode



2 Press **OK/ENTER** or **▼** to access the menu.

3 Press **▲** or **▼** to highlight a setting, then press **◀** or **▶** to adjust the setting. You can adjust:

- **Balance**—Adjusts the balance between the left and right audio channels.
- **Audio Language** (DTV channels only)—Selects the audio language (if multiple languages are available). You can select **English**, **French**, or **Spanish**.
- **MTS/SAP** (Analog TV only)—You can select Mono, Stereo, or SAP.

4 Press **MENU** one or more times to return to the previous menu or press **EXIT** to close the menu.

Changing channel settings

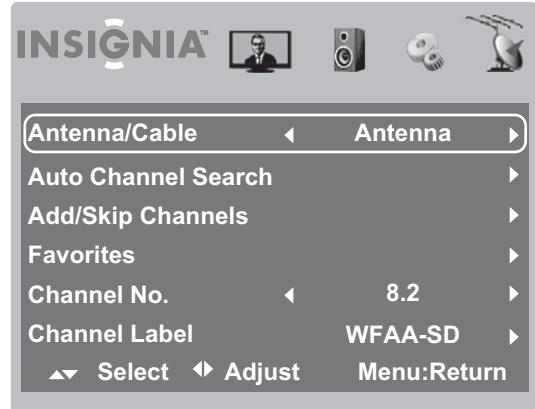
Selecting the TV signal source

To select the TV signal source:

1 Press **MENU**, then press **◀** or **▶** to highlight  (TV mode icon). The channel menu opens.



2 Press **OK/ENTER** or **▼** to access the menu.



3 Press **▲** or **▼** to highlight **Antenna/Cable**, then press **◀** or **▶** to select **Antenna** (VHF and UHF channels) or **Cable** (cable or satellite TV channels).

4 Press **MENU** one or more times to return to the previous menu or press **EXIT** to close the menu.

Automatically scanning for TV channels using the antenna

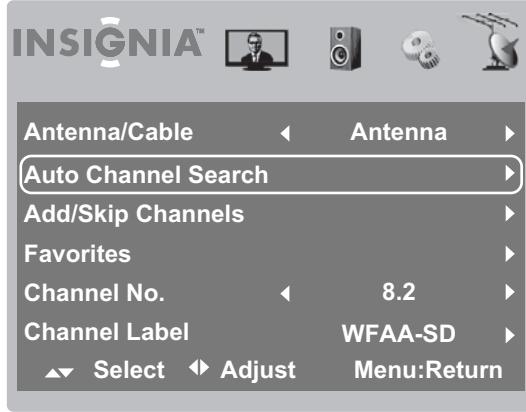
When you scan for channels, your TV searches for channels available in your viewing area and stores the channel information in the channel list. When you press **CH+** and **CH-**, your TV tunes to the next or previous channel in the channel list and skips any channels that were not stored in the list.

To automatically scan for TV channels using the antenna:

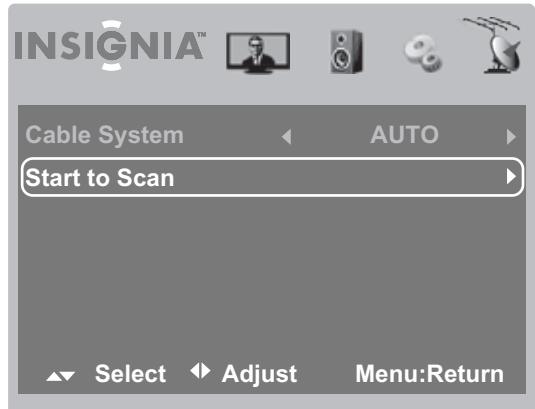
- 1 Make sure that you have selected the TV signal source. For more information, see "Selecting the TV signal source" on page 11.
- 2 Press **MENU**, then press **◀** or **▶** to highlight  (TV mode icon). The channel menu opens.



- 3 Press **OK/ENTER** or **▼** to access the menu.



- 4 Press **▲** or **▼** to highlight **Auto Channel Search**, then press **OK/ENTER** or **▶**. The following screen opens with **Start to Scan** highlighted.



- 5 Press **OK/ENTER** or **▶** to start scanning. A progress screen appears.



Your TV scans for analog and digital channels and stores the information in the channel list. When the scan is complete, your TV tunes to the first channel in the channel list.

Note

You can press **MENU** or **EXIT** to exit the scan, but you must run the scan again to create a complete channel list.

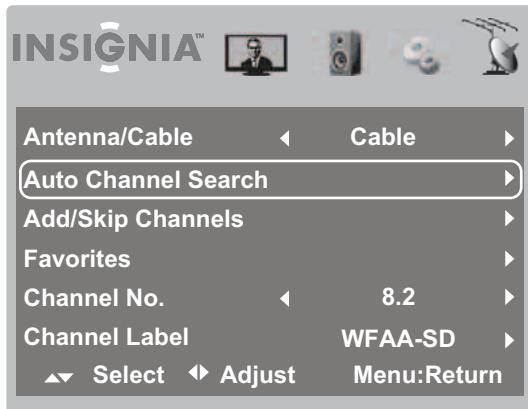
Automatically scanning for channels using cable TV

To automatically scan for channels using cable TV:

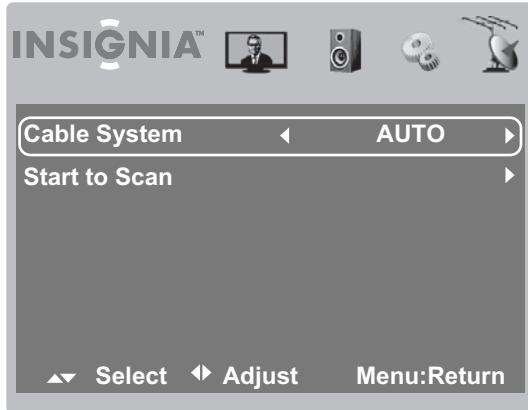
- 1 Make sure that you have selected the TV signal source. For more information, see "Selecting the TV signal source" on page 11.
- 2 Press **MENU**, then press **◀** or **▶** to highlight  (TV mode icon). The channel menu opens.



- 3 Press **OK/ENTER** or **▼** to access the menu.



- 4 Press **▲** or **▼** to highlight **Auto Channel Search**, then press **OK/ENTER** or **▶**. The following screen opens with **Cable System** highlighted.



- 5 Press **◀** or **▶** to select the cable system you use (**AUTO**, **STD**, **IRC**, or **HRC**). If you are not sure, select **AUTO**.
- 6 Press **▲** or **▼** to highlight **Start to Scan**, then press **OK/ENTER** or **▶** to start scanning. A progress screen appears.



Your TV scans for analog and digital channels and stores the information in the channel list. When the scan is complete, your TV tunes to the first channel in the channel list.

Note

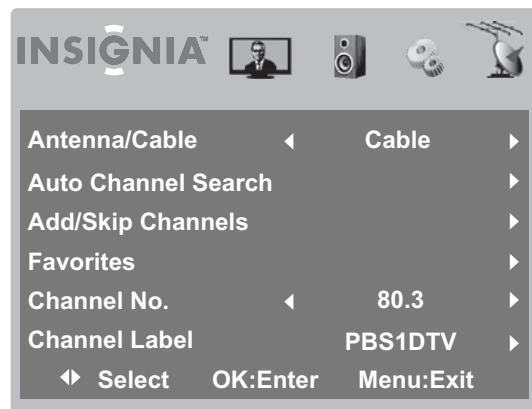
You can press **MENU** or **EXIT** to exit the scan, but you must run the scan again to create a complete channel list.

Hiding TV channels

You can hide TV channels in the channel list. When you press **CH+** or **CH-**, your TV skips hidden channels. You can still tune to hidden channels using the number buttons.

To hide TV channels:

- 1 Make sure that you have scanned for TV channels. For more information, see "Automatically scanning for TV channels using the antenna" on page 11 or "Automatically scanning for channels using cable TV" on page 12.
- 2 Press **MENU**, then press **◀** or **▶** to highlight  (TV mode icon). The channel menu opens.



3 Press **OK/ENTER** or **▼** to access the menu.



4 Press **▲** or **▼** to highlight **Add/Skip Channels**, then press **OK/ENTER** or **►**. The following screen appears.



5 Press **▲** or **▼** to highlight the channel you want to hide, then press **OK/ENTER**. If the channel list has more than one page, press **◀** or **►** to scroll through the pages.

If the channel has a check mark next to it, the channel is in the channel list. If you delete a channel, the check mark disappears. If you add a channel, a check mark appears.

6 Press **MENU** one or more times to return to the previous menu or press **EXIT** to close the menu.

Setting up the favorite channel list

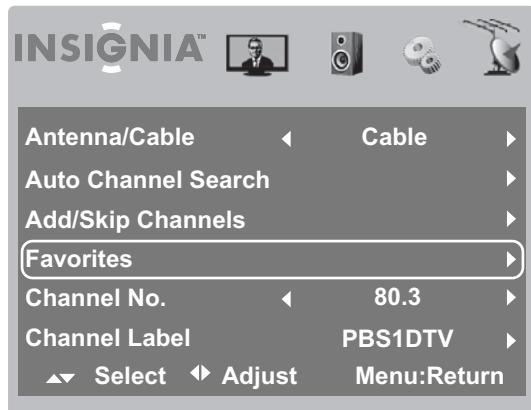
You can create a favorite channel list to make it easier to tune to your favorite channels.

To set up the favorite channel list:

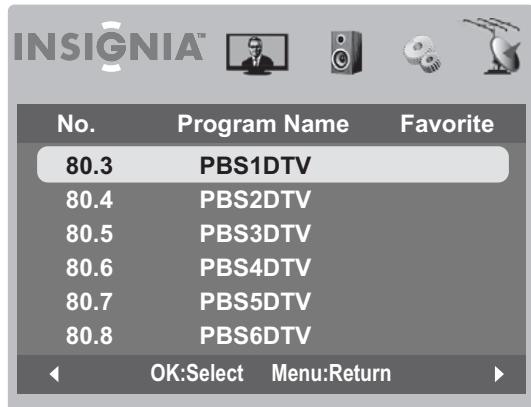
1 Press **MENU**, then press **◀** or **►** to highlight (TV mode icon). The channel menu opens.



2 Press **OK/ENTER** or **▼** to access the menu.



3 Press **▲** or **▼** to highlight **Favorites**, then press **OK/ENTER** or **►**. The following screen appears.



4 Press **▲** or **▼** to highlight a channel you want to add to the favorite channel list, then press **OK/ENTER**. If the favorite channel list has more than one page, press **◀** or **▶** to scroll through the pages.

A check mark appears next to the channel and the channel is added to the favorite channel list.



Note

- Channels that were skipped when you scanned for channels are greyed in the list and cannot be selected.
- If you have added a label to a channel, the channel label appears next to the channel number in the favorite channel list. For more information, see "Adding a channel label" on page 15.

5 Repeat Step 4 to add additional channels to the list.

6 Press **MENU** one or more times to return to the previous menu or press **EXIT** to close the menu.

Note

To delete a channel from the favorite channel list, repeat this task. In Step 4, when you select a channel that has a check mark next to it and press **OK/ENTER**, the channel is deleted from the list.

To select a favorite channel:

1 Press **FAVORITE** one or more times until the *Favorite List* opens.



2 Press **▲** or **▼** to highlight a channel. If the list has more than one page, press **◀** or **▶** to scroll through the pages.

3 Press **FAVORITE** to close the list and tune to the channel you selected.

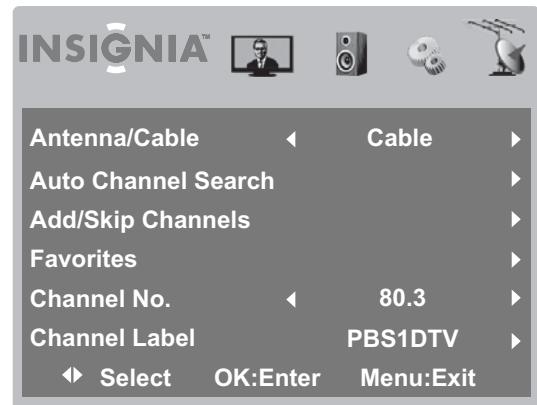
Adding a channel label

You can add a label to a channel to make it easier to identify.

To add a channel label:

1 Tune to a channel you want to label.

2 Press **MENU**, then press **◀** or **▶** to highlight (TV mode icon). The channel menu opens.



3 Press **OK/ENTER** or **▼** to access the menu.



4 Press **▲** or **▼** to highlight **Channel Label**, then press **OK/ENTER** or **▶**. The following screen appears.

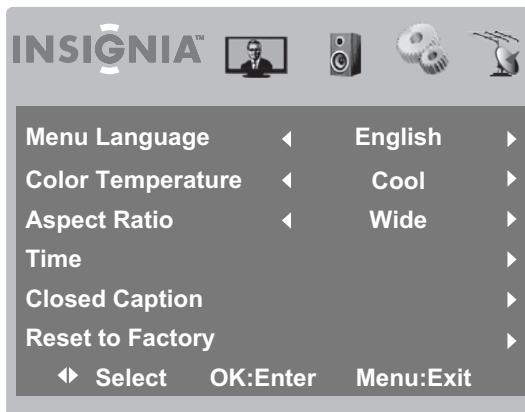


- 5 Press **◀** or **▶** to move from character to character and press **▲** or **▼** one or more times to select a character. You can use as many as seven characters.
- 6 Press **MENU** one or more times to return to the previous menu or press **EXIT** to close the menu.

Using closed captioning

To use closed captioning:

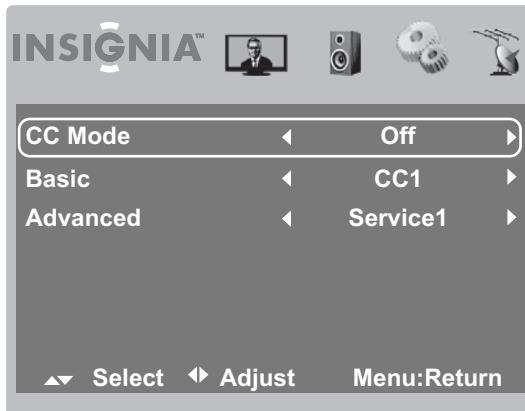
- 1 Press **MENU**, then press **◀** or **▶** to highlight  (settings icon). The settings menu opens.



- 2 Press **OK/ENTER** or **▼** to access the menu.



- 3 Press **▲** or **▼** to highlight **Closed Caption**, then press **OK/ENTER** or **▶**. The following screen appears.



- 4 Press **▲** or **▼** to highlight a setting, then press **◀** or **▶** to adjust the setting. You can select:
 - **CC Mode**—Turns closed captioning on or off.
 - **Basic**—Selects the closed captioning mode. You can select **Off**, **CC1** through **CC4**, or **Text1** through **Text4**.
 - **Advanced**—(DTV only) Select the DTV closed captioning mode. You can select **Off** or **Service1** through **Service6**.
- 5 Press **MENU** one or more times to return to the previous menu or press **EXIT** to close the menu.

Adjusting time settings

To adjust time settings:

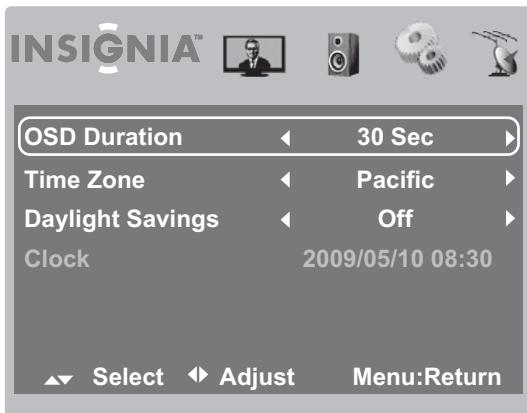
- 1 Press **MENU**, then press **◀** or **▶** to highlight  (settings icon). The settings menu opens.



- 2 Press **OK/ENTER** or **▼** to access the menu.



3 Press **▲** or **▼** to highlight **Time**, then press **OK/ENTER** or **►**. The following screen appears.



4 Press **▲** or **▼** to highlight a setting, then press **◀** or **►** to adjust the setting. You can select:

- **OSD Duration**—Sets the amount of time the OSD remains open when no buttons are pressed.
- **Time Zone**—Selects the time zone. You can select **Pacific, Alaska, Hawaii, Atlantic, Eastern, Central, or Mountain**.
- **Daylight Savings**—Turns the daylight saving feature on or off.
- **Clock**—Displays the date and time. The **Clock** option only displays the time when your TV is tuned to a digital channel and time information is available.

5 Press **MENU** one or more times to return to the previous menu or press **EXIT** to close the menu.

Note

If a power failure occurs or the TV is unplugged, all the times are reset.

Adjusting menu settings

To adjust menu settings:

1 Press **MENU**, then press **◀** or **►** to highlight  (settings icon). The settings menu opens.

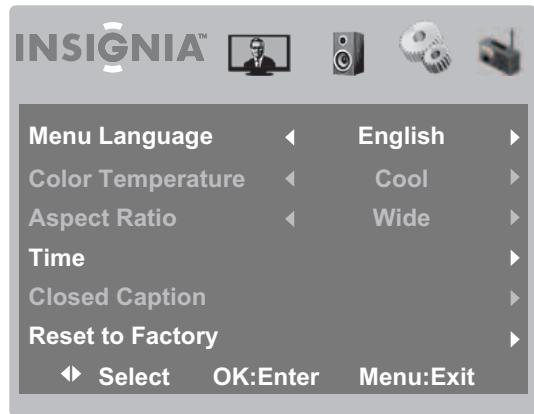
TV mode



Video mode



Radio mode



2 Press **OK/ENTER** or **▼** to access the menu.

3 Press **▲** or **▼** to highlight a setting, then press **◀** or **►** to adjust the setting. You can adjust:

- **Menu Language**—Select the menu language. You can select **English, Français, or Español**.
- **Color Temperature**—Sets the color temperature. You can select **Cool, Normal or Warm**.
- **Aspect Ratio**—Selects the aspect ratio. You can select **Wide, Zoom, Cinema, or Normal**.
- **Time**—For more information, see “Adjusting time settings” on page 16.
- **Closed Caption**—For more information, see “Using closed captioning” on page 16.
- **Reset to Factory**—Resets all settings to the factory defaults. Select **Yes**, then press **OK/ENTER**.

4 Press **MENU** one or more times to return to the previous menu or press **EXIT** to close the menu.

Adjusting radio options

Automatically scanning for radio stations

You should scan for radio stations in your area. Your TV stores the information in the radio station list.

To automatically scan for radio stations:

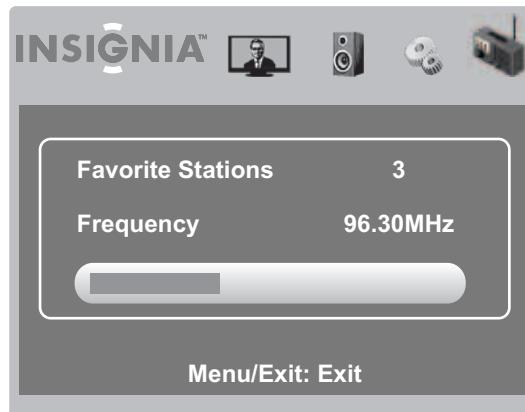
- 1 Press **MENU**, then press **◀** or **▶** to highlight  (radio icon). The radio menu opens.



- 2 Press **OK/ENTER** or **▼** to access the menu. **Auto Channel Search** is highlighted.



- 3 Press **OK/ENTER** or **▶** to start scanning. A progress screen appears.



Your TV scans for radio stations in your area and store the information in the radio station list. When the scan is complete, your TV tunes to the first station in the radio station list.

Note

You can press **MENU** or **EXIT** to stop the scan.

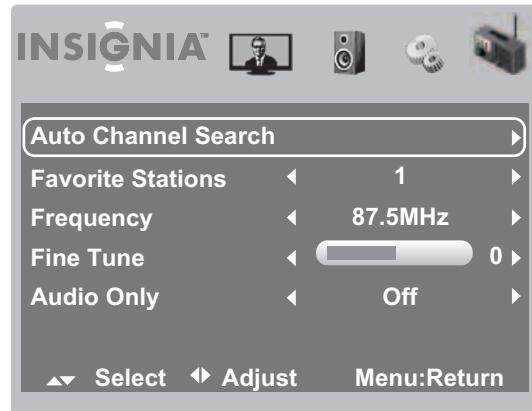
Changing radio settings

To change radio settings:

- 1 Press **MENU**, then press **◀** or **▶** to highlight  (radio icon). The radio menu opens.



- 2 Press **OK/ENTER** or **▼** to access the menu.



- 3 Press **▲** or **▼** to highlight a setting, then press **◀** or **▶** to adjust the setting. You can adjust:
 - **Auto Channel Search**—For more information, see “Automatically scanning for radio stations” on page 9.
 - **Favorite Stations**—Press **◀** or **▶** to select the favorite stations you want. You can save up to 50 of your favorite radio stations.
 - **Frequency**—Press **◀** or **▶** to adjust the station frequency. Press **◀** or **▶** to move 0.1 MHz.
 - **Fine Tune**—Press **◀** or **▶** to fine-tune the station.
 - **Audio Only**—Select **On** or **Off**. If you select **On**, the display is turned off. Press any button to turn the display back on.

4 Press **MENU** one or more times to return to the previous menu or press **EXIT** to close the menu.

Note

The **Audio Only** function becomes active about three seconds after the TV menu closes.

Troubleshooting

Problem	Solution
No picture or sound	<ul style="list-style-type: none"> Make sure that your TV is turned on. You may not be getting a signal. Follow the advice on page 3. Remember to run the channel scan, if you haven't done so already.
Picture is OK, but there is no sound	<ul style="list-style-type: none"> Increase the volume.
Sound is OK, but there is no color	<ul style="list-style-type: none"> Check the program's color features. The broadcast may be in black and white. Adjust the color. For more information, see "Adjusting the picture" on page 10.
Picture has overlapped images	<ul style="list-style-type: none"> Make sure that the antenna is installed correctly. If not, adjust the antenna towards the broadcasting station.
Picture has snow	<ul style="list-style-type: none"> The picture will have snow if the broadcast is analog and the signal is weak.
Stripes on picture	<ul style="list-style-type: none"> Check for interference from other electronic devices, such as radios and televisions. Keep magnetic or electronic devices away from your TV.
Picture is pixellated and jumpy	<ul style="list-style-type: none"> You are not getting a strong enough signal. Try moving the antenna to another location or using a stronger antenna.
Remote control does not work	<ul style="list-style-type: none"> Remove obstacles between the remote control and your TV. Install fresh batteries.
"No Signal" appears on the screen	<ul style="list-style-type: none"> If TV is selected as the input source, make sure that the antenna or cable TV is firmly connected. If VIDEO is selected as the input source, make sure that the AV cable is firmly connected to your TV. Reception may be poor. To improve reception, Follow the advice on page 3.
Picture has a few bright or dark spots	<ul style="list-style-type: none"> A few bright or dark dots on an LCD screen are normal. It does not affect the operation of your TV.

Specifications

Design and specifications are subject to change without notice.

Weight and dimensions shown are approximate values only.

LCD panel	7-inch LCD screen
Dimensions	8.5 × 6.3 × 1.5 in. (21.5 × 16 × 3.9 cm)
Weight	1.8 lbs (0.8 kg)
TV standard	ATSC/NTSC
Power source	Input: DC 9V 1.8A Consumption: 10 W (max.)
Inputs/outputs	Video (composite) F type antenna in Headphones (mini jack) × 2
Operating temperature	41° ~ 95°F (5° ~ 35°C)

Legal notices

FCC Part 15

This device complies with Part 15 of the FCC Rules. Operation of this product is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply within the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC warning

Changes or modifications not expressly approved by the party responsible for compliance with the FCC Rules could void the user's authority to operate this equipment.

DHHS and FDA safety certification

This product is made and tested to meet safety standards of the FCC, requirements and compliance with safety performance of the U.S. Department of Health and Human Services, and also with FDA Radiation Performance Standards 21 CFR Subchapter J.

Canada ICES-003 statement

This Class B digital apparatus complies with Canadian ICES-003. Standard Television Receiving Apparatus — Appareil de réception télévision ordinaire, Canada BETS-7 / NTMR-7

RSS 310 statement

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that permitted for successful communication.

Macrovision statement

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Two-year limited warranty

Insignia Products ("Insignia") warrants to you, the original purchaser of this new **NS-L7HTV-10A** ("Product"), that the Product shall be free of defects in the original manufacture of the material or workmanship for a period of two (2) years from the date of your purchase of the Product ("Warranty Period"). This Product must be purchased from an authorized dealer of Insignia brand products and packaged with this warranty statement. This warranty does not cover refurbished Product. If you notify Insignia during the Warranty Period of a defect covered by this warranty that requires service, terms of this warranty apply.

How long does the coverage last?

The Warranty Period lasts for 2 years (730 days) from the date you purchased the Product. The purchase date is printed on the receipt you received with the Product.

What does this warranty cover?

During the Warranty Period, if the original manufacture of the material or workmanship of the Product is determined to be defective by an authorized Insignia repair center or store personnel, Insignia will (at its sole option): (1) repair the Product with new or rebuilt parts; or (2) replace the Product at no charge with new or rebuilt comparable products or parts. Products and parts replaced under this warranty become the property of Insignia and are not returned to you. If service of Products or parts are required after the Warranty Period expires, you must pay all labor and parts charges. This warranty lasts as long as you own your Insignia Product during the Warranty Period. Warranty coverage terminates if you sell or otherwise transfer the Product.

How to obtain warranty service?

If you purchased the Product at a retail store location, take your original receipt and the Product to the store you purchased it from. Make sure that you place the Product in its original packaging or packaging that provides the same amount of protection as the original packaging. If you purchased the Product from an online web site, mail your original receipt and the Product to the address listed on the web site. Make sure that you put the Product in its original packaging or packaging that provides the same amount of protection as the original packaging.

Where is the warranty valid?

This warranty is valid only to the original purchaser of the product in the United States, Canada, and Mexico.

What does the warranty not cover?

This warranty does not cover:

- Customer instruction
- Installation
- Set up adjustments
- Cosmetic damage
- Damage due to acts of God, such as lightning strikes
- Accident
- Misuse
- Abuse
- Negligence
- Commercial use
- Modification of any part of the Product, including the antenna
- Plasma display panel damaged by static (non-moving) images applied for lengthy periods (burn-in).

This warranty also does not cover:

- Damage due to incorrect operation or maintenance
- Connection to an incorrect voltage supply
- Attempted repair by anyone other than a facility authorized by Insignia to service the Product
- Products sold as is or with all faults
- Consumables, such as fuses or batteries
- Products where the factory applied serial number has been altered or removed

REPAIR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS YOUR EXCLUSIVE REMEDY. INSIGNIA SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR THE BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT, INCLUDING, BUT NOT LIMITED TO, LOST DATA, LOSS OF USE OF YOUR PRODUCT, LOST BUSINESS OR LOST PROFITS. INSIGNIA PRODUCTS MAKES NO OTHER EXPRESS WARRANTIES WITH RESPECT TO THE PRODUCT, ALL EXPRESS AND IMPLIED WARRANTIES FOR THE PRODUCT, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE WARRANTY PERIOD SET FORTH ABOVE AND NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, WILL APPLY AFTER THE WARRANTY PERIOD. SOME STATES, PROVINCES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE OR PROVINCE TO PROVINCE.

Contact Insignia:

For customer service please call 1-877-467-4289
www.insigniaproducts.com

Distributed by Best Buy Purchasing, LLC
7601 Penn Avenue South, Richfield, Minnesota, U.S.A.
55423-3645

© 2010 BBY Solutions, Inc.
All rights reserved. INSIGNIA is a trademark of BBY Solutions, Inc.
Registered in some countries. All other products and brand
names are trademarks of their respective owners.

INSIGNIA™

www.insigniaproducts.com (877) 467-4289

Distributed by Best Buy Purchasing, LLC

Distributed by Best Buy Purchasing, LLC
7601 Penn Avenue South, Richfield, MN USA 55423-3645

© 2010 Best BY Solutions, Inc.

© 2010 Best BBY Solutions, Inc.
All rights reserved. INSIGNIA is a trademark of BBY Solutions, Inc. Registered in some countries.
All other products and brand names are trademarks of their respective owners.

ENGLISH
10-0499